

Amendments to the Claims

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A process for the stimulation of production of extracellular dermal matrix proteins in human tissue which comprises simultaneously delivering to said tissue ultrasound and electrical energy in an amount sufficient for the stimulation of production of extracellular dermal matrix proteins in human tissue;

wherein a current of said electrical energy is about 100 microamps; and

wherein said ultrasound is provided at a frequency in a range of about 1 to about 4 megahertz.

2. (Original) A process according to claim 1 wherein said electrical energy is a low energy micro-amperage sufficient to stimulate the production of polypeptide collagen and said ultrasound is such that a mechanical pressure gradient is created in the cells that produces specific resilient collagen and elastin.

3. (Original) A process according to claim 2 wherein the wave form of said electrical energy is composed of a twin-peaked, unidirectional, capacitors-discharged, high potent wave form with low energy.

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